

**REMARKS**

**Summary of the Office Action**

Claims 1, 5, 10, and 12-14 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen (US 5,648,793) in view of Moon (US 5,825,343). Claims 2-4, 7-9, and 11 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen in view of Moon and further in view of Asada et al. (US 5,867,141). Claims 6 and 15 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen in view of Moon and further in view of Iino et al. (US 5,900,856).

**Summary of the Response to the Office Action**

Applicant amends claims 1, 5, and 10, and adds new claims 21-23. Accordingly, claims 1-15 and 21-23 are pending for consideration.

**All Claims Define Allowable Subject Matter**

Independent claims 1, 5, and 10 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Chen (US 5,648,793) in view of Moon (US 5,825,343). Applicant respectfully traverses these rejections for at least the following reasons.

Independent claim 1, as amended, recites a method of driving a liquid crystal display panel, wherein the first and second gate start pulses are output from a *pre-charging controller including at least an exclusive OR (XOR) gate*. Independent claims 5 and 10, as amended, each recite a pre-charging controller to generate the first and second gate start pulses, wherein the *pre-charging controller includes at least an exclusive OR (XOR) gate*.

The Office Action admits that Chen fails to disclose supplying gate start pulses to conduct data supplying channels, a data/gate driving integrated circuit, and a pre-charging

controller. The Examiner alleges that FIG. 6 of Moon discloses supplying gate start pulses to conduct data supplying channels and a pre-charging controller to generate the first and second gate start pulses. While Applicant does not acquiesce to the Examiner's allegation, Applicant has amended independent claims 1, 5, and 10 and respectfully asserts that Moon fails to disclose a pre-charging controller including at least an exclusive OR (XOR) gate, as required by amended independent claims 1, 5, and 10. In contrast to the present invention, the gate array circuit diagram in FIG. 6 of Moon fails to disclose a pre-charging controller including at least an XOR gate.

Thus, Applicant respectfully asserts that Chen and Moon, taken singly or in combination, fail to teach or suggest at least the above feature of independent claims 1, 5, and 10, as amended. In addition, Applicant respectfully asserts that Asada et al., Iino et al., and Hirai et al. whether taken singly or in combination, fail to remedy the deficiencies of Chen and Moon. Accordingly, Applicant respectfully requests that the rejection of independent claims 1, 5, and 10 under 35 U.S.C. § 103(a) as obvious over Chen in view of Moon, and hence the rejection of dependent claims 2-4, 6-9, and 11-15 under 35 U.S.C. § 103(a), be withdrawn.

#### **New Claims 21-23**

Applicant has added new dependent claims 21-23 to further define the invention. Accordingly, Applicant respectfully asserts that new dependent claims 21-23 are allowable at least because of the dependence from independent claims 1, 5, and 10, respectively.

**CONCLUSION**

In view of the foregoing amendments and remarks, Applicant respectfully requests reconsideration and the timely allowance of the pending claims. Should the Examiner believe that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicant's undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. §1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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